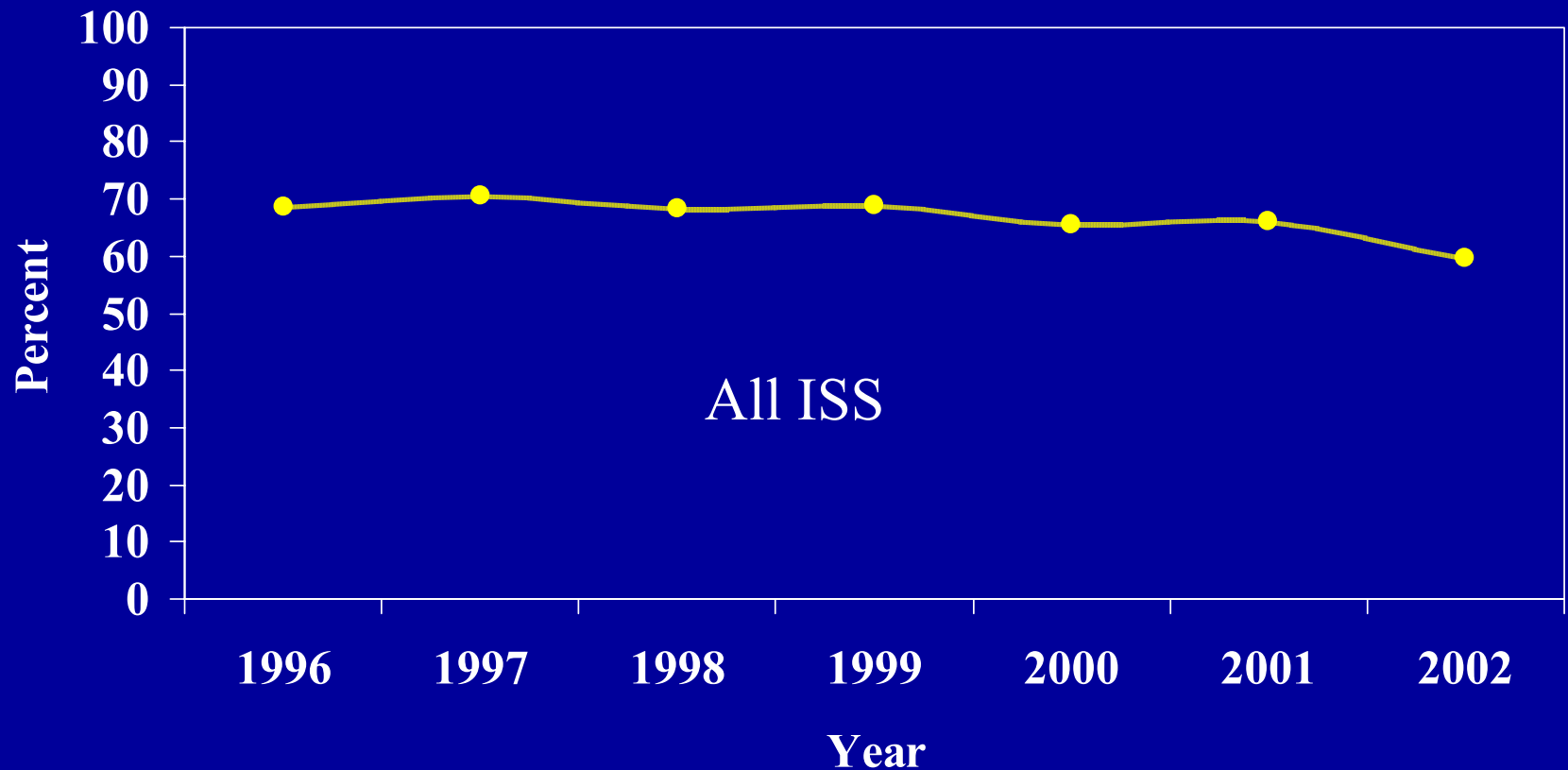


Pediatric Trauma

November 2003

Pediatric Admissions Occurring at Pediatric Designated Hospitals

(State Inclusion Criteria, Age<15, Admitted to Hospital)



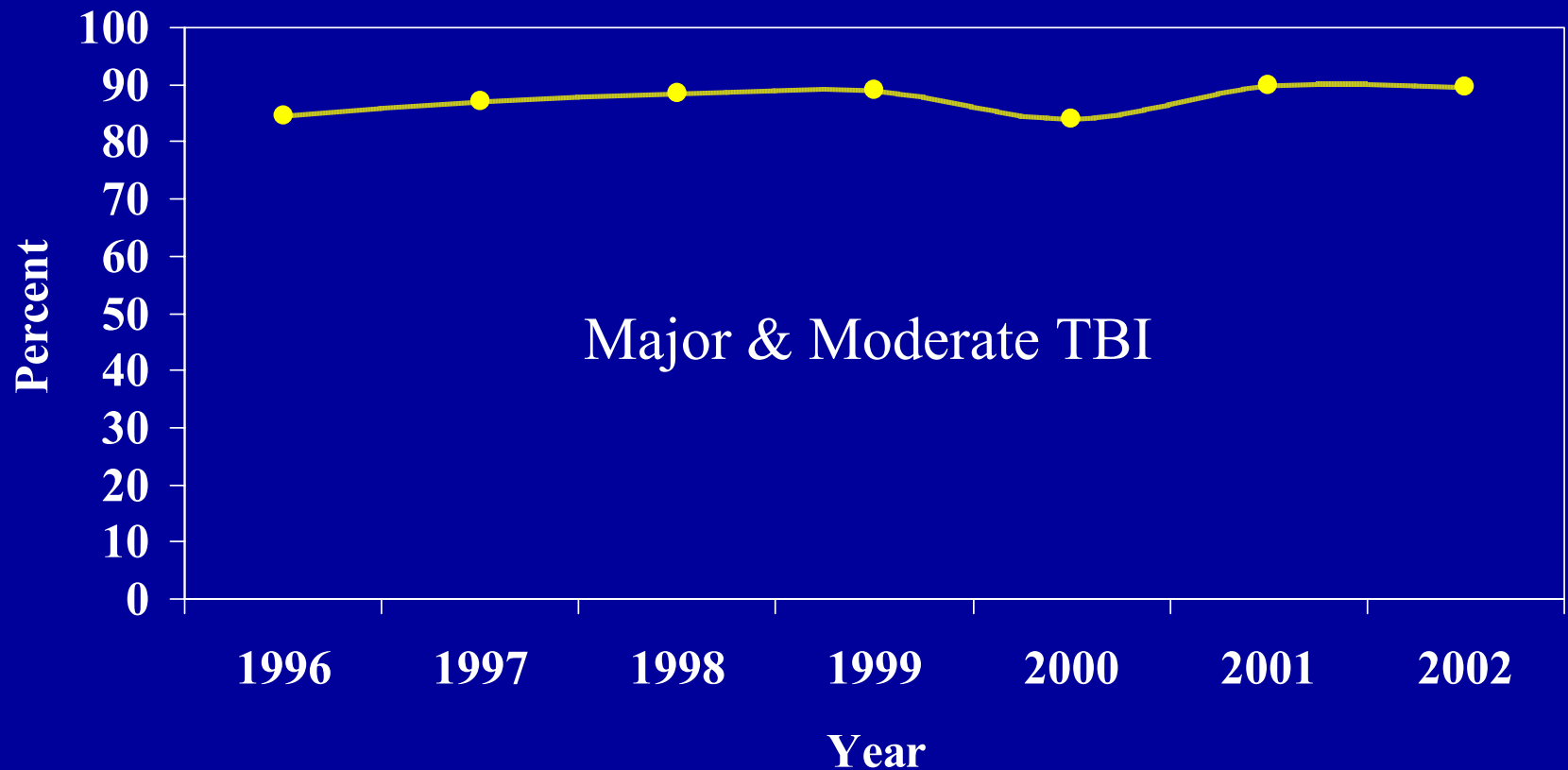
Pediatric Admissions Occurring at Pediatric Designated Hospitals

(State Inclusion Criteria, Age<15, Admitted to Hospital)



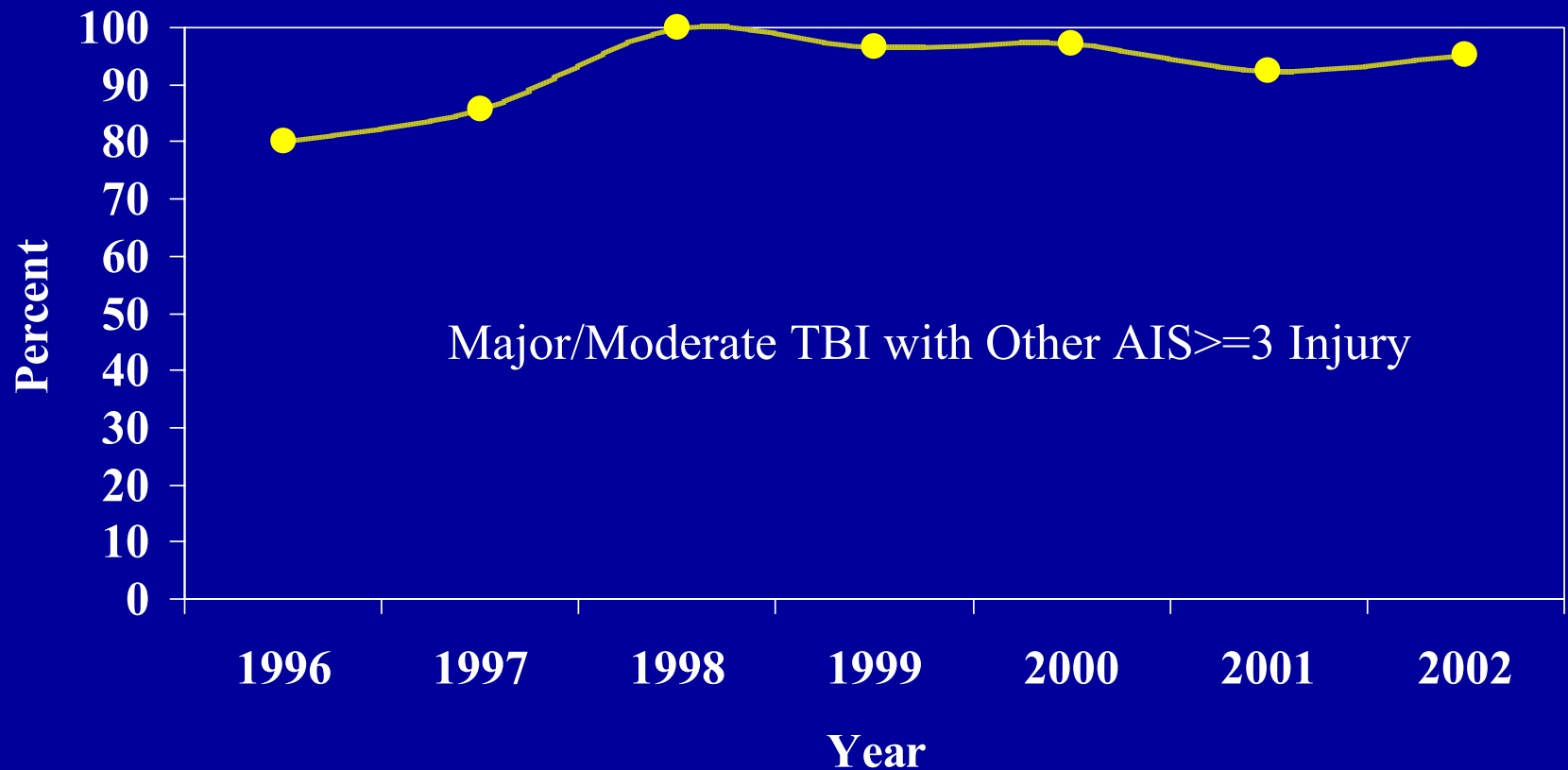
Pediatric Admissions Occurring at Pediatric Designated Hospitals

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Pediatric Admissions Occurring at Pediatric Designated Hospitals

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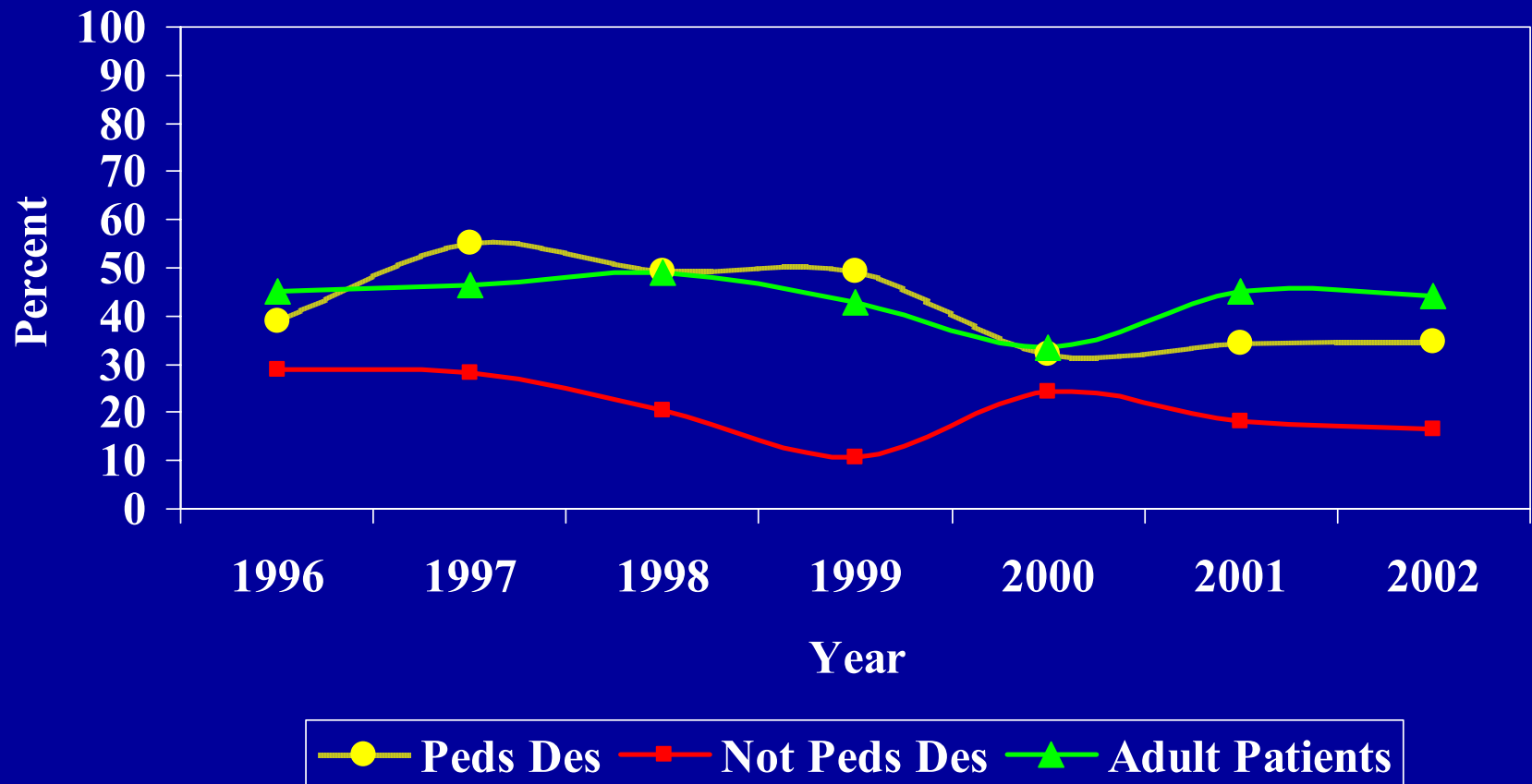
Pediatric Admissions Occurring at Pediatric Designated Hospitals -- Interpretation --

1. Overall pediatric admission rate to 'ped-designated centers' (~70%) compares favorably to others (64% in Pennsylvania, 65% in NPTR)
2. Pediatric admission rate to 'ped-designated centers' for ISS > 15 (~85%) exceeds others (64% in Pennsylvania)
3. Pediatric admission rate to 'ped-designated centers' for moderate-severe TBI (85-95%) is high

System-based triage of pediatric trauma a success

% of Hypotensive Pediatric Patients Receiving Full Trauma Team Activations

(State Inclusion Criteria, Age<15, Excludes Transfers In)

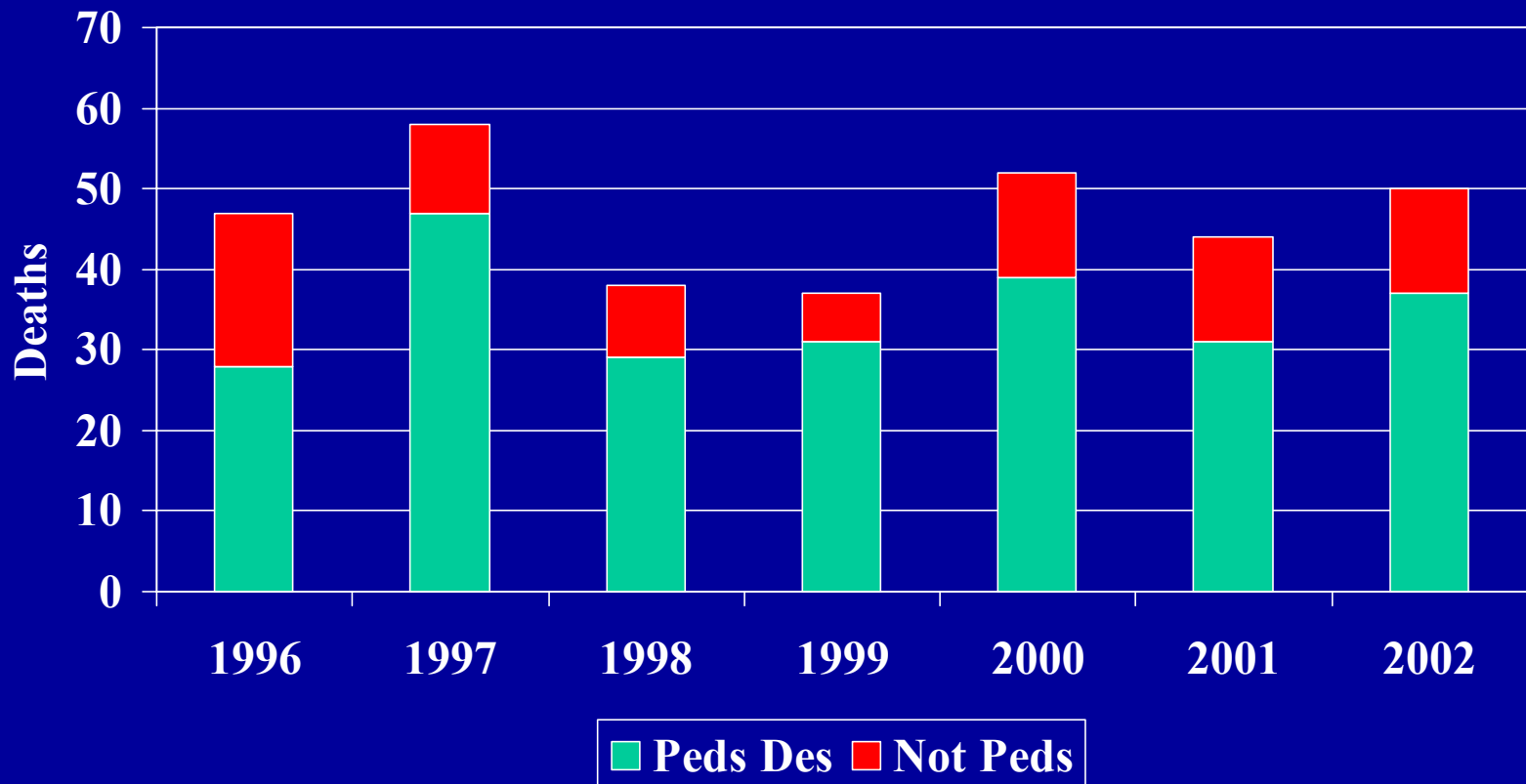


% of Hypotensive Pediatric Patients Receiving Full Trauma Team Activations -- Interpretation --

1. Trauma Team Activations for hypotensive pediatric trauma victims occur less frequently than for hypotensive adult trauma victims (27.1% of peds vs. 44.3% of adults, Year 2001 to Present, Two sample t test with unequal variance, $p < .0001$)

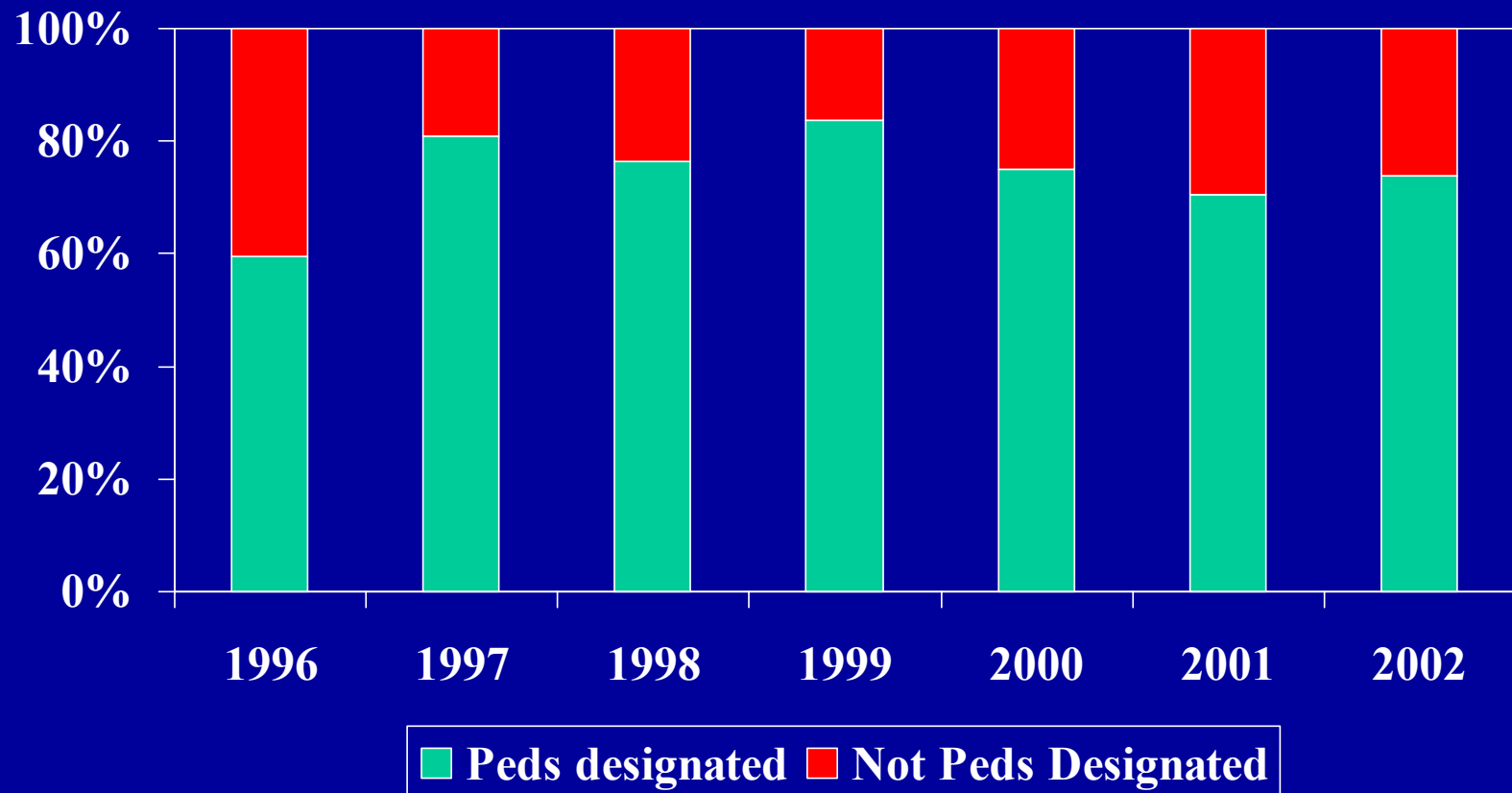
**Improvement in trauma team activation for
critically pediatric victims is needed**

Pediatric Trauma Deaths by Designation



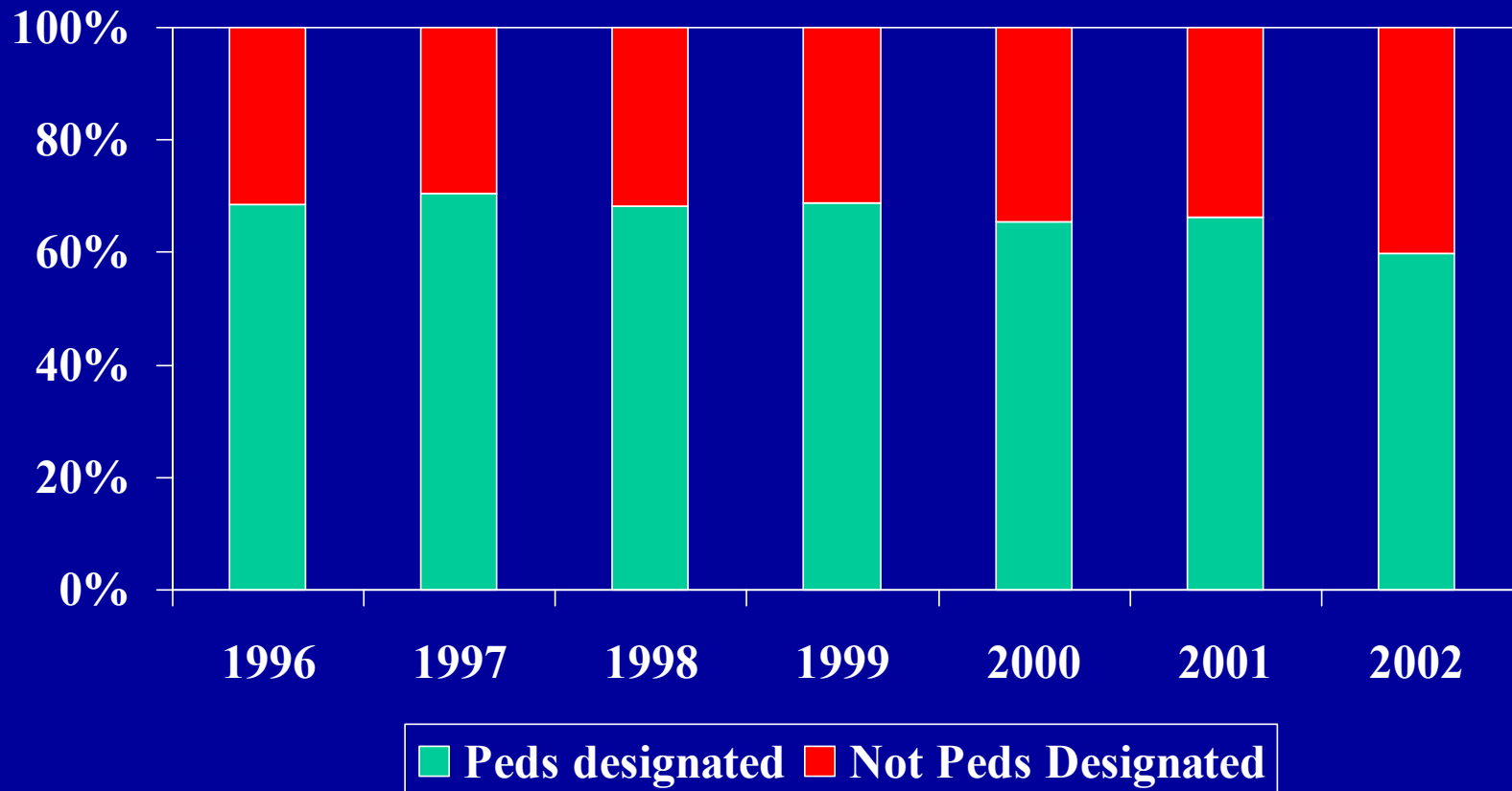
Pediatric Deaths by Designation

(DOH Criteria, Age<15, Died)

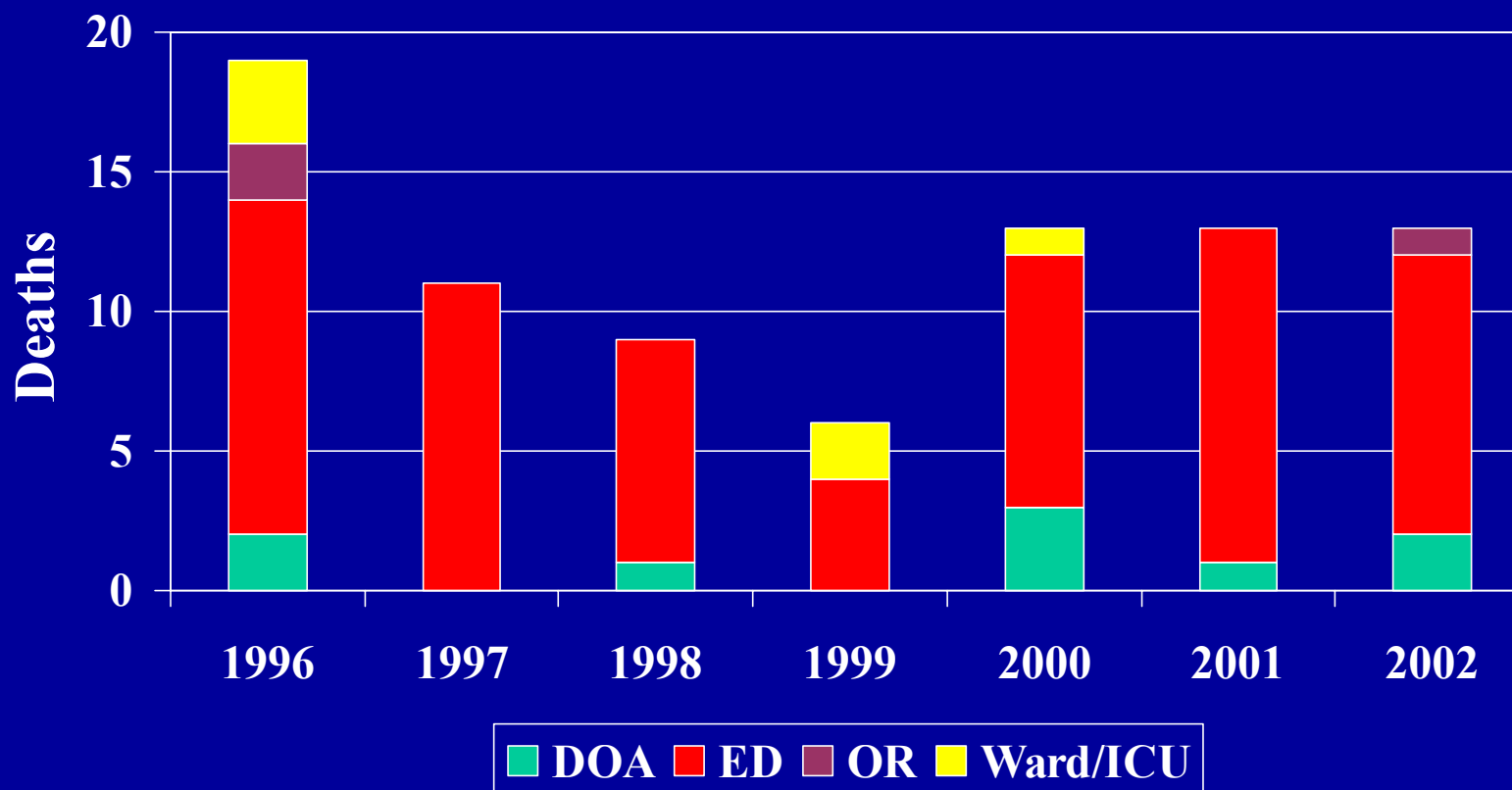


Pediatric Trauma Hospitalizations by Designation

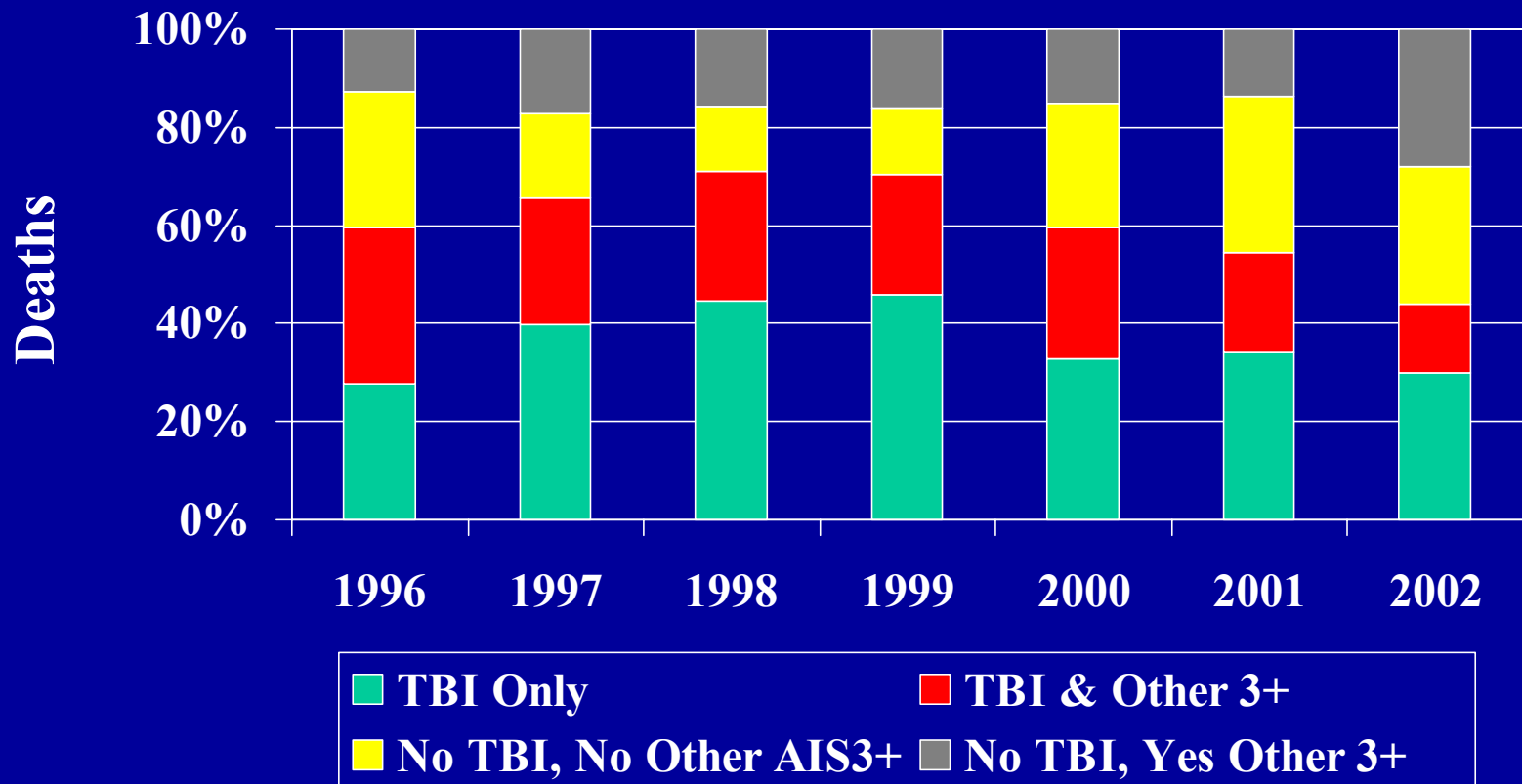
(DOH Criteria, Age<15, Admitted)



Trauma Deaths Location in Non-Pediatric Services



Trauma Deaths by Injury Type



Trauma Deaths

-- Interpretation --

1. Pediatric trauma deaths in non-pediatric centers are rare, and primarily occur acutely, in the ER (i.e., not amenable to transfer to a pediatric-center)
2. The majority of pediatric trauma deaths occur following moderate-severe TBI

A detailed investigation of pediatric TBI and outcome is indicated, and underway